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FILE 'USPAT' ENTERED AT 13:42:06 ON 06 MAR 1998

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  *              W E L C O M E   T O   T H E                        *
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=> set high off

SET COMMAND COMPLETED

=> s (streptococcus(w)group(w)a)/ti,ab,clm

            77 STREPTOCOCCUS/TI
           316 STREPTOCOCCUS/AB
           663 STREPTOCOCCUS/CLM
          3013 GROUP/TI
         97736 GROUP/AB
        374823 GROUP/CLM
         26107 A/TI
       1322965 A/AB
       1631112 A/CLM
L1            5 (STREPTOCOCCUS(W)GROUP(W)A)/TI,AB,CLM

=> d 1-5


1.  5,541,057, Jul. 30, 1996, Methods for detection of an analyte;
Gregory R. Bogart, et al., 435/5; 356/369; 359/540, 581, 585; 422/55, 57,
58; 435/6, 7.21, 7.22, 7.23, 7.32, 7.34, 287.2, 808; 436/164, 513, 524,
525, 527, 531, 805 [IMAGE AVAILABLE]

2.  5,468,606, Nov. 21, 1995, Devices for detection of an analyte based
upon light interference; Gregory R. Bogart, et al., 435/5; 356/369;
359/580, 581, 585, 586; 422/55, 57, 58, 82.05; 435/6, 7.21, 7.22, 7.23,
7.32, 7.34, 287.2, 808; 436/164, 513, 524, 525, 527, 531, 805 [IMAGE
AVAILABLE]

3.  5,418,136, May 23, 1995, Devices for detection of an analyte based
upon light interference; B. John Miller, et al., 435/5; 250/458.1;
356/345, 417; 359/577, 580, 586, 589; 422/55, 57, 58; 435/6, 7.21, 7.32,
7.34, 7.36, 7.4, 808, 974; 436/164, 510, 524, 525, 527, 528, 531, 805
[IMAGE AVAILABLE]

4.  5,367,058, Nov. 22, 1994, Modified antibodies with increased
affinity; J. Bruce Pitner, et al., 530/391.9, 387.1, 388.4, 391.7 [IMAGE
AVAILABLE]

5.  4,761,370, Aug. 2, 1988, Method for determining the presence of
bacteria in body fluid specimens containing bacterial inhibitors; Michael
J. Caulfield, 435/36, 29, 39 [IMAGE AVAILABLE]

=> s (streptococc?)/ti,ab

           119 (STREPTOCOCC?)/TI
           376 (STREPTOCOCC?)/AB
L2         392 (STREPTOCOCC?)/TI,AB

=> s l2 and immunoassay

          6878 IMMUNOASSAY
L3          35 L2 AND IMMUNOASSAY

=> d 1-35
```

1. 5,721,339, Feb. 24, 1998, Gamma antigen of pathogenic group B streptococci; Michael D. P. Boyle, et al., 530/350; 424/165.1, 244.1; 530/388.4, 389.5, 413, 820 [IMAGE AVAILABLE]

2. 5,716,792, Feb. 10, 1998, Streptococcus suis adhesin protein and method for producing it; Kaarina Tikkanen, et al., 435/7.34; 424/54, 165.1 [IMAGE AVAILABLE]

3. 5,610,011, Mar. 11, 1997, Virulence-encoding DNA sequences of Strepococcus suis and related products and methods; Hilda E. Smith, et al., 435/6, 252.3, 320.1, 885, 975; 536/23.1, 23.7, 24.32; 935/9 [IMAGE AVAILABLE]

4. 5,604,109, Feb. 18, 1997, Method for exposing Group A streptococcal antigens and an improved diagnostic test for the identification of Group A streptococci; Vincent A. Fischetti, et al., 435/7.34, 29, 30, 34, 36, 961, 962, 975; 436/518, 524, 531, 533, 536, 808 [IMAGE AVAILABLE]

5. 5,552,273, Sep. 3, 1996, Polypeptides containing sequences characteristic of pyrrolidone carboxylyl peptidases, polynucleotides containing a sequence coding for such polypeptides, and their use, in particular for diagnostic purposes; Philippe L. Cleuziat, et al., 435/6, 69.1, 195, 227, 252.3, 320.1; 530/387.1; 536/22.1, 23.1, 23.2, 23.7 [IMAGE AVAILABLE]

6. 5,536,646, Jul. 16, 1996, Simplified extraction method for bacterial antigens using dried reagents; Theodore T. Sand, et al., 435/36; 424/718; 435/7.34, 34; 514/553; 536/124, 127 [IMAGE AVAILABLE]

7. 5,494,801, Feb. 27, 1996, Microorganism antigen extraction methods; Gregory R. Bogart, et al., 435/7.34; 422/61; 435/7.1, 7.32, 7.92, 7.95, 29, 961, 962, 975; 436/174, 175, 518, 808 [IMAGE AVAILABLE]

8. 5,474,905, Dec. 12, 1995, Antibodies specific for streptococcus pneumoniae hemin/hemoglobin-binding antigens; Stanley S. Tai, et al., 435/7.34, 885, 975; 436/548; 530/388.4, 389.5 [IMAGE AVAILABLE]

9. 5,472,696, Dec. 5, 1995, Antigen of group B streptococci; Michael D. P. Boyle, et al., 424/244.1; 530/413, 825 [IMAGE AVAILABLE]

10. 5,470,716, Nov. 28, 1995, Method for diagnosing kawasaki syndrome; Donald Leung, et al., 435/34, 4, 6, 36, 810, 883; 436/63, 808 [IMAGE AVAILABLE]

11. 5,460,813, Oct. 24, 1995, Method for treating Kawasaki syndrome by administration of an anti-TSST-1 agent which is not gamma globulin; Donald Leung, et al., 424/115, 165.1; 514/192, 200 [IMAGE AVAILABLE]

12. 5,322,788, Jun. 21, 1994, Monoclonal anti-body to cell surface protein of the bacterium Streptococcus pneumoniae; Josee Drouin, 435/340; 424/244.1; 435/7.34, 70.21, 885; 530/388.4, 389.5 [IMAGE AVAILABLE]

13. 5,312,901, May 17, 1994, Cloned streptococcal genes encoding protein G and their use to construct recombinant microorganisms to produce protein G; Stephen R. Fahnestock, 530/350; 435/69.1; 530/300, 324 [IMAGE AVAILABLE]

14. 5,229,492, Jul. 20, 1993, Cloned streptococcal genes encoding

protein G and their use to construct recombinant microorganisms to produce protein G; Stephen R. Fahnestock, 530/350, 300, 324 [IMAGE AVAILABLE]

15. 5,225,331, Jul. 6, 1993, Immunoassay for detecting group B streptococcus; Martial Lacroix, et al., 435/7.34, 7.9, 7.94, 29, 259, 961, 975; 530/388.4, 389.5, 391.1, 391.3 [IMAGE AVAILABLE]

16. 5,183,659, Feb. 2, 1993, Protection of equines against Streptococcus equi; John F. Timoney, 424/244.1, 829; 435/172.1, 253.4, 885 [IMAGE AVAILABLE]

17. 5,098,827, Mar. 24, 1992, Novel bacterial markers for pathogenic group B streptococci; Michael D. P. Boyle, et al., 435/7.34, 7.2, 7.32, 7.9, 35, 36, 39, 810, 820, 885; 436/501, 518, 804, 808; 530/389.5, 415, 825 [IMAGE AVAILABLE]

18. 5,094,962, Mar. 10, 1992, Microporous article having a stabilized specific binding reagent, a method for its use and a diagnostic test kit; Brian A. Snyder, et al., 436/518; 422/61; 435/7.34, 975; 436/524, 525, 535, 808, 824 [IMAGE AVAILABLE]

19. 5,082,773, Jan. 21, 1992, Cloned streptococcal genes encoding protein G and their use to construct recombinant microorganisms to produce protein G; Stephen R. Fahnestock, 435/69.1, 172.3, 252.3, 252.31, 252.33, 320.1 [IMAGE AVAILABLE]

20. 4,977,082, Dec. 11, 1990, Type VI bacterial FC receptors; Michael D. P. Boyle, et al., 435/71.1, 170, 243, 253.4, 885; 530/350, 413, 417, 825 [IMAGE AVAILABLE]

21. 4,977,081, Dec. 11, 1990, Stable rabbit-mouse hybridomas and secretion products thereof; Torquil J. G. Raybould, et al., 530/388.4; 435/70.21, 172.2, 340; 436/548; 530/864; 935/95, 96, 102, 104 [IMAGE AVAILABLE]

22. 4,970,070, Nov. 13, 1990, Protective monoclonal antibody compositions for infections due to group B streptococcus; Howard V. Raff, 424/142.1, 150.1, 802, 803, 808; 435/70.21, 340, 948; 436/548; 530/388.15, 388.4, 808, 809, 865; 935/100, 104, 107, 110 [IMAGE AVAILABLE]

23. 4,956,296, Sep. 11, 1990, Cloned streptococcal genes encoding protein G and their use to construct recombinant microorganisms to produce protein G; Stephen R. Fahnestock, 435/252.33, 172.3, 320.1, 849, 885; 536/23.7; 935/11, 29, 73 [IMAGE AVAILABLE]

24. 4,954,618, Sep. 4, 1990, Cloned streptococcal genes encoding protein G and their use to construct recombinant microorganisms to produce protein G; Stephen R. Fahnestock, 530/350; 435/172.3; 530/388.25, 413, 415, 811, 861; 935/11 [IMAGE AVAILABLE]

25. 4,900,660, Feb. 13, 1990, Streptococcal fc rc; Michael D. P. Boyle, et al., 435/7.34, 7.93, 188, 885; 436/501, 516, 518, 519, 545, 546, 801, 819, 824, 828; 530/413, 810, 825 [IMAGE AVAILABLE]

26. 4,851,337, Jul. 25, 1989, Extraction of test substances; Carl M. Berke, 435/29, 4, 36, 259, 810, 820, 885 [IMAGE AVAILABLE]

27. 4,847,199, Jul. 11, 1989, Agglutination immunoassay and kit for

determination of a multivalent immune species using a buffered salt wash solution; Brian A. Snyder, et al., 435/7.34; 422/61, 73, 101, 102; 435/7.36, 36, 287.2, 287.9, 810; 436/510, 532, 533, 808, 810, 811, 814, 818; D24/223 [IMAGE AVAILABLE]

28. 4,828,978, May 9, 1989, Agglutination reagent and method of preparing same; Harold C. Warren, III, et al., 435/5, 7.34, 7.36, 36; 436/533, 547, 818 [IMAGE AVAILABLE]

29. 4,812,414, Mar. 14, 1989, Immunoreactive reagent particles having tracer, receptor molecules and protein of pI less than 6; Harold C. Warren, III, et al., 435/7.34, 36; 436/533, 534, 547, 825 [IMAGE AVAILABLE]

30. 4,784,948, Nov. 15, 1988, Production of streptococcal m protein immunogens and molecular probes; June R. Scott, et al., 435/6, 69.3, 91.41, 172.3, 238, 252.33, 320.1; 436/27; 530/806; 536/23.1, 23.7, 24.1, 24.2, 24.3; 930/200; 935/6, 27, 29, 56, 72 [IMAGE AVAILABLE]

31. 4,594,244, Jun. 10, 1986, Antigenic materials; Thomas Lehner, et al., 424/150.1, 165.1, 244.1; 435/71.2; 530/350, 806, 825 [IMAGE AVAILABLE]

32. RE 31,672, Sep. 11, 1984, Polysaccharide antigens; Dennis L. Kasper, 536/53; 424/165.1, 244.1; 536/123 [IMAGE AVAILABLE]

33. 4,367,223, Jan. 4, 1983, Vaccine against Group B streptococci; Dennis L. Kasper, 424/244.1 [IMAGE AVAILABLE]

34. 4,367,221, Jan. 4, 1983, Immunization against Group B streptococci; Dennis L. Kasper, 424/137.1, 165.1, 244.1 [IMAGE AVAILABLE]

35. 4,207,414, Jun. 10, 1980, Polysaccharide antigens; Dennis L. Kasper, 536/53; 424/165.1, 244.1; 435/961 [IMAGE AVAILABLE]

=> d his

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     (FILE 'USPAT' ENTERED AT 13:42:06 ON 06 MAR 1998)
                SET HIGH OFF
L1            5 S (STREPTOCOCCUS(W)GROUP(W)A)/TI,AB,CLM
L2          392 S (STREPTOCOCC?)/TI,AB
L3           35 S L2 AND IMMUNOASSAY

=> s l2 and bidwell, c?/xp,xa

            31 BIDWELL, C?/XP
            75 BIDWELL, C?/XA
L4           2 L2 AND BIDWELL, C?/XP,XA

=> d 1-2
```

1. 5,389,521, Feb. 14, 1995, Carbohydrate receptor for bacteria and method for use thereof; Howard C. Krivan, et al., 435/7.33, 7.32, 7.34; 436/518, 534 [IMAGE AVAILABLE]

2. 5,225,331, Jul. 6, 1993, Immunoassay for detecting group B streptococcus; Martial Lacroix, et al., 435/7.34, 7.9, 7.94, 29, 259, 961, 975; 530/388.4, 389.5, 391.1, 391.3 [IMAGE AVAILABLE]

=> s bacteria?(10a)(extraction)

```
         62474 BACTERIA?
        110100 EXTRACTION
L5         452 BACTERIA?(10A)(EXTRACTION)
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=> s l5 and immunoassay

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          6878 IMMUNOASSAY
L6          62 L5 AND IMMUNOASSAY
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=> d 1-62

1. 5,721,339, Feb. 24, 1998, Gamma antigen of pathogenic group B streptococci; Michael D. P. Boyle, et al., 530/350; 424/165.1, 244.1; 530/388.4, 389.5, 413, 820 [IMAGE AVAILABLE]

2. 5,721,109, Feb. 24, 1998, Method for diagnosing infection caused by acid-fast bacterium; Ikuya Yano, et al., 435/7.32, 7.92, 7.95; 436/518, 531, 805, 811; 536/4.1, 115, 119; 554/1; 560/129 [IMAGE AVAILABLE]

3. 5,707,818, Jan. 13, 1998, Device and method for simultaneously performing multiple competitive immunoassays; Stephen J. Chudzik, et al., 435/7.93; 422/55, 56, 57, 58, 61; 435/7.92, 287.1, 287.2, 287.7, 810, 970, 973; 436/164, 169, 514, 518, 524, 528, 530, 805, 810, 815, 816, 901 [IMAGE AVAILABLE]

4. 5,700,645, Dec. 23, 1997, Methods and kits for separation, concentration and analysis of cells; Edward E. Pahuski, et al., 435/6, 8, 34, 252.3, 261; 436/85, 177 [IMAGE AVAILABLE]

5. 5,698,680, Dec. 16, 1997, Antibodies specific for lipopolysaccharide binding protein; Richard J. Ulevitch, et al., 530/388.25, 388.85, 389.1, 389.3 [IMAGE AVAILABLE]

6. 5,688,763, Nov. 18, 1997, Compositions and methods for the synthesis of growth hormone receptor and growth hormone binding protein; R. Glenn Hammonds, Jr., et al., 514/12, 2; 530/350 [IMAGE AVAILABLE]

7. 5,670,327, Sep. 23, 1997, Enzymatic method for detecting a labelled segment and a solution or composition therefor; Dennis Wright, 435/7.4, 6, 7.9, 7.95, 14, 207 [IMAGE AVAILABLE]

8. 5,665,570, Sep. 9, 1997, Antibody-encoding recombinant DNA and its use; Hideo Yamagata, et al., 435/69.6, 69.1, 252.3, 320.1; 536/23.1 [IMAGE AVAILABLE]

9. 5,639,671, Jun. 17, 1997, Methods for optimizing of an optical assay device; Gregory R. Bogart, et al., 436/518; 359/581, 585, 586, 589; 422/55, 57, 82.05, 82.11; 427/162, 164, 165, 166, 167, 250, 255, 337, 338, 404, 419.1, 419.2; 435/4, 808; 436/164, 165, 524, 532 [IMAGE AVAILABLE]

10. 5,631,171, May 20, 1997, Method and instrument for detection of change of thickness or refractive index for a thin film substrate; Torbjorn Sandstrom, et al., 436/518; 356/357, 364, 369; 422/55, 82.05; 435/5, 808; 436/164, 524, 525, 527, 805 [IMAGE AVAILABLE]

11. 5,629,214, May 13, 1997, Methods for forming an optical device for detecting the presence or amount of an analyte; Mark Crosby, 436/518; 427/2.11, 2.13, 162, 164, 165, 402, 407.1, 407.2, 409, 414, 419.1, 419.3; 435/4, 7.21, 7.32, 287.1, 287.2, 288.7, 808; 436/524, 528, 531, 532, 805 [IMAGE AVAILABLE]

12. 5,624,810, Apr. 29, 1997, Method for detection of surfaces contaminants; C. David Miller, et al., 435/8, 29, 968; 436/1, 172 [IMAGE AVAILABLE]

13. 5,599,665, Feb. 4, 1997, Pseudomonas aeruginosa nucleic acids encoding exoenzyme S activity and use thereof in detecting pseudomonas aeruginosa infection; Joseph T. Barbieri, et al., 435/6, 320.1; 536/23.2, 23.7, 24.32 [IMAGE AVAILABLE]

14. 5,587,286, Dec. 24, 1996, Methods and kits for detection of cells in food materials; Edward E. Pahuski, et al., 435/6, 29, 30, 232, 261; 436/85, 177; 536/24.3 [IMAGE AVAILABLE]

15. 5,564,104, Oct. 8, 1996, Methods of removing radioactively labled biological molecules from liquid radioactive waste; Matt Pourfarzaneh, 588/20; 210/602 [IMAGE AVAILABLE]

16. 5,552,272, Sep. 3, 1996, Detection of an analyte by fluorescence using a thin film optical device; Gregory R. Bogart, 435/6; 359/580, 585; 422/55, 57, 82.05, 82.08; 435/7.2, 7.3, 7.32, 808, 810; 436/172, 518, 524, 525, 527, 528, 531, 805, 807 [IMAGE AVAILABLE]

17. 5,550,063, Aug. 27, 1996, Methods for production of an optical assay device; Gregory R. Bogart, 436/518; 422/55, 57, 82.05; 427/162, 164, 165, 240, 241, 414, 419.1, 419.2, 419.5, 419.7; 435/4, 808; 436/524, 525, 527, 528, 531, 532, 805 [IMAGE AVAILABLE]

18. 5,541,057, Jul. 30, 1996, Methods for detection of an analyte; Gregory R. Bogart, et al., 435/5; 356/369; 359/540, 581, 585; 422/55, 57, 58; 435/6, 7.21, 7.22, 7.23, 7.32, 7.34, 287.2, 808; 436/164, 513, 524, 525, 527, 531, 805 [IMAGE AVAILABLE]

19. 5,536,646, Jul. 16, 1996, Simplified extraction method for bacterial antigens using dried reagents; Theodore T. Sand, et al., 435/36; 424/718; 435/7.34, 34; 514/553; 536/124, 127 [IMAGE AVAILABLE]

20. 5,494,829, Feb. 27, 1996, Devices and methods for detection of an analyte based upon light interference; Torbjorn Sandstrom, et al., 436/518; 356/364, 369; 422/55, 82.05; 435/808; 436/164, 524, 525, 527, 805 [IMAGE AVAILABLE]

21. 5,482,830, Jan. 9, 1996, Devices and methods for detection of an analyte based upon light interference; Gregory R. Bogart, et al., 435/5; 356/369; 359/580, 585, 586, 589; 422/55, 57, 58, 82.05; 435/7.21, 7.22, 7.32, 7.36, 808; 436/164, 510, 513, 518, 524, 525, 527, 805 [IMAGE AVAILABLE]

22. 5,472,696, Dec. 5, 1995, Antigen of group B streptococci; Michael D. P. Boyle, et al., 424/244.1; 530/413, 825 [IMAGE AVAILABLE]

23. 5,468,606, Nov. 21, 1995, Devices for detection of an analyte based upon light interference; Gregory R. Bogart, et al., 435/5; 356/369; 359/580, 581, 585, 586; 422/55, 57, 58, 82.05; 435/6, 7.21, 7.22, 7.23, 7.32, 7.34, 287.2, 808; 436/164, 513, 524, 525, 527, 531, 805 [IMAGE

AVAILABLE]

24. 5,418,136, May 23, 1995, Devices for detection of an analyte based upon light interference; B. John Miller, et al., 435/5; 250/458.1; 356/345, 417; 359/577, 580, 586, 589; 422/55, 57, 58; 435/6, 7.21, 7.32, 7.34, 7.36, 7.4, 808, 974; 436/164, 510, 524, 525, 527, 528, 531, 805 [IMAGE AVAILABLE]

25. 5,393,672, Feb. 28, 1995, Non toxic compositions and methods useful for the extraction of nucleic acids; Jeffrey V. Ness, et al., 436/94 [IMAGE AVAILABLE]

26. 5,387,511, Feb. 7, 1995, Extraction procedure for Chlamydia and Neisseria antigens; Ian W. Davidson, et al., 435/101, 7.2, 7.32, 71.2, 871 [IMAGE AVAILABLE]

27. 5,376,529, Dec. 27, 1994, Lactam-containing compositions and methods useful for the hybridization of nucleic acids; Jeffrey Van Ness, et al., 435/6; 540/451, 463, 485, 526, 527; 546/243; 548/547 [IMAGE AVAILABLE]

28. 5,354,658, Oct. 11, 1994, Non-radioactive method for detecting a labelled segment and a solution or composition therefor; Dennis Wright, 435/6, 7.1, 7.94, 21 [IMAGE AVAILABLE]

29. 5,328,996, Jul. 12, 1994, Bacterial plasmin receptors as fibrinolytic agents; Michael D. P. Boyle, et al., 536/23.1; 424/94.64; 435/172.3; 530/350, 381, 388.25, 825; 536/23.7 [IMAGE AVAILABLE]

30. 5,322,788, Jun. 21, 1994, Monoclonal anti-body to cell surface protein of the bacterium Streptococcus pneumoniae; Josee Drouin, 435/340; 424/244.1; 435/7.34, 70.21, 885; 530/388.4, 389.5 [IMAGE AVAILABLE]

31. 5,310,879, May 10, 1994, Antibodies which immunoreact with lapine lipopolysaccharide binding protein (LBP); Richard J. Ulevitch, et al., 530/388.1, 388.25, 389.1, 389.3 [IMAGE AVAILABLE]

32. 5,246,851, Sep. 21, 1993, Monoclonal antibody specific for a 14kd protein obtained from N gonorroeae; Peter D. Weston, et al., 435/340, 7.36; 530/388.4, 825 [IMAGE AVAILABLE]

33. 5,245,013, Sep. 14, 1993, Acute phase protein modulating endotoxic activity of lipopolysaccharides, assay methods and polypeptides; Richard Ulevitch, et al., 530/380, 350, 395 [IMAGE AVAILABLE]

34. 5,237,050, Aug. 17, 1993, Bacterial plasmin receptors as fibrinolytic agents; Michael D. P. Boyle, et al., 530/350, 381, 388.25, 402, 825 [IMAGE AVAILABLE]

35. 5,225,331, Jul. 6, 1993, Immunoassay for detecting group B streptococcus; Martial Lacroix, et al., 435/7.34, 7.9, 7.94, 29, 259, 961, 975; 530/388.4, 389.5, 391.1, 391.3 [IMAGE AVAILABLE]

36. 5,190,860, Mar. 2, 1993, Differential diagnostic assay for brucellosis; Leslie G. Adams, et al., 435/7.32, 7.5, 7.9, 7.93, 329, 340, 975; 436/518; 530/388.4, 810, 825 [IMAGE AVAILABLE]

37. 5,187,080, Feb. 16, 1993, DNA encoding an antigenic protein derived from Eimeria tenella and vaccines for prevention of coccidiosis caused by Eimeria tenella; William H. Andrews, et al., 435/69.3; 424/191.1, 267.1; 435/69.1, 91.41, 172.3, 235.1, 252.3, 252.33, 320.1; 530/300, 350, 388.6;

536/23.4, 23.7; 935/10, 29, 41, 56, 63, 73 [IMAGE AVAILABLE]

38. 5,173,294, Dec. 22, 1992, DNA probe for the identification of Haemophilus influenzae; Timothy F. Murphy, et al., 424/139.1, 150.1, 164.1, 190.1, 256.1; 435/6, 7.32, 320.1, 961, 972; 530/388.3; 536/23.7, 24.32 [IMAGE AVAILABLE]

39. 5,169,757, Dec. 8, 1992, Antibodies or antigens bound to a macroporous hydrophobic synthetic polymer cloth for immunological techniques; Hiroshi Yamazaki, et al., 435/7.92, 7.9, 7.93, 7.94, 180; 436/531, 544, 547, 823, 824; 530/413, 815 [IMAGE AVAILABLE]

40. 5,130,423, Jul. 14, 1992, Non-corrosive compositions and methods useful for the extraction of nucleic acids; Jeffrey Van Ness, et al., 536/25.42; 436/175, 177; 935/19, 20, 21 [IMAGE AVAILABLE]

41. 5,124,444, Jun. 23, 1992, Lactam-containing compositions and methods useful for the extraction of nucleic acids; Jeffrey Van Ness, et al., 536/25.42; 435/6; 436/178; 536/25.41; 540/451, 463, 485, 526; 546/243; 548/543, 546, 547 [IMAGE AVAILABLE]

42. 5,106,730, Apr. 21, 1992, Lactam-containing compositions and methods useful for the hybridization of nucleic acids; Jeffrey Van Ness, et al., 435/6; 540/451, 463, 485, 526, 527; 546/243; 548/543, 546, 547 [IMAGE AVAILABLE]

43. 5,098,827, Mar. 24, 1992, Novel bacterial markers for pathogenic group B streptococci; Michael D. P. Boyle, et al., 435/7.34, 7.2, 7.32, 7.9, 35, 36, 39, 810, 820, 885; 436/501, 518, 804, 808; 530/389.5, 415, 825 [IMAGE AVAILABLE]

44. 5,093,241, Mar. 3, 1992, C-terminal CAT fusion protein and process of preparation by recombinant DNA; Alan D. Bennett, et al., 435/69.4, 69.1, 252.33, 320.1; 536/23.2, 23.4, 23.51; 935/47, 48, 49, 51 [IMAGE AVAILABLE]

45. 5,085,984, Feb. 4, 1992, Novel type VI bacterial Fc receptors; Michael D. P. Boyle, et al., 435/7.2, 7.34, 29, 170, 172.2, 176, 885; 436/501, 513, 828; 530/413, 808, 809 [IMAGE AVAILABLE]

46. 5,057,417, Oct. 15, 1991, Compositions and methods for the synthesis of growth hormone receptor and growth hormone binding protein; R. Glenn Hammonds, et al., 435/69.1, 172.3, 252.33, 317.1, 360, 369; 536/23.51; 935/11, 70, 73 [IMAGE AVAILABLE]

47. 5,013,664, May 7, 1991, Common protein of Haemophilus influenzae type b identified by a monoclonal antibody; Bernard R. Brodeur, et al., 435/7.32, 70.21, 340, 810, 851, 948; 436/548; 530/350, 388.4; 935/100, 104, 108, 110 [IMAGE AVAILABLE]

48. 4,977,082, Dec. 11, 1990, Type VI bacterial FC receptors; Michael D. P. Boyle, et al., 435/71.1, 170, 243, 253.4, 885; 530/350, 413, 417, 825 [IMAGE AVAILABLE]

49. 4,948,725, Aug. 14, 1990, Novel type VI bacterial Fc receptors; Michael D. P. Boyle, 435/7.34, 7.92, 29, 243, 810, 885, 975; 436/518, 544, 808 [IMAGE AVAILABLE]

50. 4,900,660, Feb. 13, 1990, Streptococcal fc rc; Michael D. P. Boyle, et al., 435/7.34, 7.93, 188, 885; 436/501, 516, 518, 519, 545, 546, 801,

819, 824, 828; 530/413, 810, 825 [IMAGE AVAILABLE]

51. 4,874,705, Oct. 17, 1989, DNA encoding an antigenic protein derived from Eimeria tenella and vaccines for prevention of coccidiosis caused by Eimeria tenella; William H. Andrews, et al., 435/252.33; 424/191.1, 267.1; 435/69.3, 320.1; 530/350, 806; 536/23.5, 23.53 [IMAGE AVAILABLE]

52. 4,851,337, Jul. 25, 1989, Extraction of test substances; Carl M. Berke, 435/29, 4, 36, 259, 810, 820, 885 [IMAGE AVAILABLE]

53. 4,830,960, May 16, 1989, Determination of chlamydia trachomatis; Peter N. Appleton, 435/7.36, 21, 25, 26, 29, 962; 436/518, 825 [IMAGE AVAILABLE]

54. 4,816,253, Mar. 28, 1989, Novel mutant strain of Listeria monocytogenes and its use in production of IgM antibodies and as an immunotherapeutic agent; Vilas V. Likhite, 424/197.11, 282.1; 435/252.1 [IMAGE AVAILABLE]

55. 4,784,943, Nov. 15, 1988, Ice nucleation immunoassay; Gareth J. Warren, et al., 435/7.32, 7.37, 172.3, 810; 436/546, 800, 808 [IMAGE AVAILABLE]

56. 4,582,699, Apr. 15, 1986, Assay of immunoglobulin A protease and the rapid diagnosis of gonorrhea; Kittie A. Murray, 435/7.4; 206/569; 435/7.32, 7.34, 7.6, 7.92, 23, 259, 810, 961, 975; 436/515, 518, 533, 536, 540, 542; 530/388.26, 388.4, 389.5, 391.1, 391.3 [IMAGE AVAILABLE]

57. 4,567,041, Jan. 28, 1986, Mutant strain of Listeria monocytogenes and its use in production of IgM antibodies and as an immunotherapeutic agent; Vilas V. Likhite, 530/389.5; 424/194.1, 197.11, 806; 530/389.8, 403, 405, 829, 863 [IMAGE AVAILABLE]

58. RE 31,672, Sep. 11, 1984, Polysaccharide antigens; Dennis L. Kasper, 536/53; 424/165.1, 244.1; 536/123 [IMAGE AVAILABLE]

59. 4,375,514, Mar. 1, 1983, Preparation and use of recombinant plasmids containing genes for alkaline phosphatases; Gerhard Siewert, et al., 435/91.41, 91.42, 172.1, 172.3, 196, 252.3, 252.33, 252.8, 320.1, 820, 849, 881; 536/23.2, 23.4; 935/14, 16, 23, 29, 73, 84 [IMAGE AVAILABLE]

60. 4,367,223, Jan. 4, 1983, Vaccine against Group B streptococci; Dennis L. Kasper, 424/244.1 [IMAGE AVAILABLE]

61. 4,367,221, Jan. 4, 1983, Immunization against Group B streptococci; Dennis L. Kasper, 424/137.1, 165.1, 244.1 [IMAGE AVAILABLE]

62. 4,207,414, Jun. 10, 1980, Polysaccharide antigens; Dennis L. Kasper, 536/53; 424/165.1, 244.1; 435/961 [IMAGE AVAILABLE]

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=> s (streptococc?)(p)nitrous

          6663 STREPTOCOCC?
          8804 NITROUS
L7          36 (STREPTOCOCC?)(P)NITROUS

=> set high on

SET COMMAND COMPLETED
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=> s (streptococc?)(p)nitrous

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          6663 STREPTOCOCC?
          8804 NITROUS
L8          36 (STREPTOCOCC?)(P)NITROUS
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=> d 1-36

1. 5,604,109, Feb. 18, 1997, Method for exposing Group A streptococcal antigens and an improved diagnostic test for the identification of Group A streptococci; Vincent A. Fischetti, et al., 435/7.34, 29, 30, 34, 36, 961, 962, 975; 436/518, 524, 531, 533, 536, 808 [IMAGE AVAILABLE]

2. 5,599,715, Feb. 4, 1997, Lower alcohol sulfate wash solution; Harold C. Warren, III, et al., 436/17; 435/7.1, 810; 436/65, 501, 510, 518, 531, 808, 811 [IMAGE AVAILABLE]

3. 5,591,645, Jan. 7, 1997, Solid phase chromatographic immunoassay; Robert W. Rosenstein, 436/514; 422/56, 58, 60; 435/7.1, 287.7, 287.8, 287.9, 805, 810, 970; 436/518, 524, 528, 541, 810, 829 [IMAGE AVAILABLE]

4. 5,536,646, Jul. 16, 1996, Simplified extraction method for bacterial antigens using dried reagents; Theodore T. Sand, et al., 435/36; 424/718; 435/7.34, 34; 514/553; 536/124, 127 [IMAGE AVAILABLE]

5. 5,494,801, Feb. 27, 1996, Microorganism antigen extraction methods; Gregory R. Bogart, et al., 435/7.34; 422/61; 435/7.1, 7.32, 7.92, 7.95, 29, 961, 962, 975; 436/174, 175, 518, 808 [IMAGE AVAILABLE]

6. 5,482,831, Jan. 9, 1996, Wash composition containing signal stop reagent, test kit and method of use with peroxidase-labeled specific binding ligand; Gary L. Snodgrass, et al., 435/5; 206/569; 435/6, 7.1, 7.32, 7.34, 810, 967, 975; 436/501 [IMAGE AVAILABLE]

7. 5,472,868, Dec. 5, 1995, Stable rabbit-mouse fusion partner; Robert T. McCormack, et al., 435/346, 70.2, 172.2 [IMAGE AVAILABLE]

8. 5,425,915, Jun. 20, 1995, Culturette safety sleeve; Robert E. Phillips, et al., 422/58; 401/132; 422/61, 101, 939; 435/283.1, 307.1; 436/805, 810; 600/572, 573; 604/1, 2, 3 [IMAGE AVAILABLE]

9. 5,415,994, May 16, 1995, Lateral flow medical diagnostic assay device with sample extraction means; Michael R. Imrich, et al., 435/5, 7.32, 7.34, 7.36, 961, 970, 973, 975 [IMAGE AVAILABLE]

10. 5,356,782, Oct. 18, 1994, Analytical test apparatus with on board negative and positive control; David R. Moorman, et al., 435/7.9; 422/56, 57, 68.1, 69; 435/4, 7.1, 7.5, 7.92, 805, 967, 970, 975; 436/501, 512, 518, 523, 536 [IMAGE AVAILABLE]

11. 5,313,959, May 24, 1994, Device and method for breaking an ampoule; James F. Monthony, et al., 600/572; 206/361 [IMAGE AVAILABLE]

12. 5,260,025, Nov. 9, 1993, Depositing a binder on a solid support; Gloria J. Covington, et al., 422/56, 57, 58, 61; 436/56, 169, 172 [IMAGE AVAILABLE]

13. 5,256,537, Oct. 26, 1993, Culturette safety sleeve; Robert E. Phillips, et al., 435/7.1; 222/80, 83.5; 422/58, 61, 101, 939; 435/7.2,

29, 30, 287.6, 287.7, 307.1; 436/805, 807, 810; 600/572, 573, 576, 584 [IMAGE AVAILABLE]

14. 5,252,457, Oct. 12, 1993, Wash composition containing signal stop reagent, test kit and method of use with peroxidase-labeled specific binding ligand; Gary L. Snodgrass, et al., 435/5, 7.2, 7.32, 7.34, 7.92, 28, 184, 963 [IMAGE AVAILABLE]

15. 5,225,331, Jul. 6, 1993, Immunoassay for detecting group B streptococcus; Martial Lacroix, et al., 435/7.34, 7.9, 7.94, 29, 259, 961, 975; 530/388.4, 389.5, 391.1, 391.3 [IMAGE AVAILABLE]

16. 5,206,178, Apr. 27, 1993, Membrane affinity concentration immunoassay; Nobuo Monji, et al., 436/518; 435/5, 7.1, 7.92, 7.93, 7.94, 7.95, 180, 971; 436/539, 810 [IMAGE AVAILABLE]

17. 5,204,061, Apr. 20, 1993, Depositing a binder on a solid support; Gloria J. Covington, et al., 422/56, 57, 58; 427/2.13; 436/56, 169, 172 [IMAGE AVAILABLE]

18. 5,163,441, Nov. 17, 1992, Polyurethane biological sample collection and transport device and its use; James F. Monthony, et al., 600/572; 435/4, 30, 287.2, 288.1, 304.1, 309.1; 604/1; D24/223 [IMAGE AVAILABLE]

19. RE 33,850, Mar. 17, 1992, Test kit and method for the determination of Streptococcus A antigen; Brian A. Snyder, et al., 435/7.34; 422/57, 61; 435/34, 36, 810, 961, 975; 436/519, 533, 534 [IMAGE AVAILABLE]

20. 5,096,837, Mar. 17, 1992, Immunochromatographic assay and method of using same; Eugene Fan, et al., 436/514; 435/7.1, 962; 436/501, 518, 533, 814 [IMAGE AVAILABLE]

21. 5,094,962, Mar. 10, 1992, Microporous article having a stabilized specific binding reagent, a method for its use and a diagnostic test kit; Brian A. Snyder, et al., 436/518; 422/61; 435/7.34, 975; 436/524, 525, 535, 808, 824 [IMAGE AVAILABLE]

22. 5,091,316, Feb. 25, 1992, Biological sample collection and transport device; James F. Monthony, et al., 600/572, 569; 604/1 [IMAGE AVAILABLE]

23. 5,073,340, Dec. 17, 1991, Depositing a binder on a solid support; Gloria J. Covington, et al., 422/56, 57, 58; 427/2.13; 436/169 [IMAGE AVAILABLE]

24. 5,051,356, Sep. 24, 1991, Specific binding composition comprising a low pI protein or carbohydrate and a diagnostic test kit and method of use; Harold C. Warren, III, et al., 435/7.34, 7.5, 7.92, 962, 975; 436/501, 518, 808 [IMAGE AVAILABLE]

25. 5,047,318, Sep. 10, 1991, Imidazole leuco dye composition containing 4'-hydroxyacetanilide, diagnostic kit and method using same; Brian A. Snyder, et al., 435/5; 422/56; 435/7.36, 7.9, 7.92, 18, 28, 971; 436/501, 518, 535, 538, 543, 544, 547, 824 [IMAGE AVAILABLE]

26. 4,977,081, Dec. 11, 1990, Stable rabbit-mouse hybridomas and secretion products thereof; Torquil J. G. Raybould, et al., 530/388.4; 435/70.21, 172.2, 340; 436/548; 530/864; 935/95, 96, 102, 104 [IMAGE AVAILABLE]

27. 4,965,191, Oct. 23, 1990, Lower alcohol sulfate wash solution, test

kit and method for the determination of an immunological ligand; Harold C. Warren, III, et al., 435/7.5; 252/408.1; 435/7.92, 810, 975; 436/65, 501, 510, 518, 531, 808, 811 [IMAGE AVAILABLE]

28. 4,943,522, Jul. 24, 1990, Lateral flow, non-bibulous membrane assay protocols; Robert W. Eisinger, et al., 435/7.25; 422/55, 56, 57, 58, 101; 435/5, 7.21, 7.23, 7.32, 805, 810; 436/512, 514, 518, 520, 523, 531, 535, 807, 808, 810; D24/223 [IMAGE AVAILABLE]

29. 4,920,046, Apr. 24, 1990, Process, test device, and test kit for a rapid assay having a visible readout; Edward McFarland, et al., 435/7.31; 422/56, 60; 435/7.34, 7.92, 7.94, 810, 975; 436/518, 519, 528, 800, 808, 824, 829 [IMAGE AVAILABLE]

30. 4,855,240, Aug. 8, 1989, Solid phase assay employing capillary flow; Robert W. Rosenstein, et al., 436/514; 422/56, 58; 436/518, 530, 535, 807 [IMAGE AVAILABLE]

31. 4,851,337, Jul. 25, 1989, Extraction of test substances; Carl M. Berke, 435/29, 4, 36, 259, 810, 820, 885 [IMAGE AVAILABLE]

32. 4,808,524, Feb. 28, 1989, Test kit and method for the determination of Streptococcus A antigen; Brian A. Snyder, et al., 435/36; 422/57, 61; 435/34, 810; 436/519 [IMAGE AVAILABLE]

33. 4,794,076, Dec. 27, 1988, Simultaneous extraction of a ligand from a sample and capture by anti-ligands therefor in ligand/anti-ligand assays; Henry W. Founds, Jr., et al., 435/7.34, 7.21, 7.94; 436/518, 530, 531, 804 [IMAGE AVAILABLE]

34. 4,704,355, Nov. 3, 1987, Assay utilizing ATP encapsulated within liposome particles; David Bernstein, 435/6, 8; 436/501, 520, 827, 829 [IMAGE AVAILABLE]

35. 4,673,639, Jun. 16, 1987, Dry form micronitrous acid streptococci extraction-agglutination test; Malcolm Slifkin, 435/36; 422/57, 61; 435/7.34, 34, 810, 961, 975; 436/519, 543 [IMAGE AVAILABLE]

36. 4,626,502, Dec. 2, 1986, Method for exposing bacterial antigen in bacterial cells assay using same; Laurel Krause-Hooyman, 435/7.34, 23, 36, 961 [IMAGE AVAILABLE]

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     (FILE 'USPAT' ENTERED AT 13:42:06 ON 06 MAR 1998)
                SET HIGH OFF
L1            5 S (STREPTOCOCCUS(W)GROUP(W)A)/TI,AB,CLM
L2          392 S (STREPTOCOCC?)/TI,AB
L3           35 S L2 AND IMMUNOASSAY
L4            2 S L2 AND BIDWELL, C?/XP,XA
L5          452 S BACTERIA?(10A)(EXTRACTION)
L6           62 S L5 AND IMMUNOASSAY
L7           36 S (STREPTOCOCC?)(P)NITROUS
                SET HIGH ON
L8           36 S (STREPTOCOCC?)(P)NITROUS
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=> s l8(p)(phenolphthalein or pink)

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          2767 PHENOLPHTHALEIN
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